The EIZO EV2436W

24” LCD monitor with 16:10 aspect ratio and LED technology

The image quality and ergonomics of the EV2436W clearly indicate what this display is made for: sophisticated computer workstations with the highest demands. Work is a breeze on a 24” screen with an aspect ratio of 16:10. With a resolution of 1920 x 1080 pixels, an IPS LCD module with LED backlighting and an anti-glare surface, this display excels at detailed, crystal-clear image reproduction. This is fantastic for office work. An anti-glare view of the screen is ensured by Auto EcoView, which adapts the display brightness to the environmental light conditions. EcoView Sense employs an infrared sensor to determine when the EV2436W is being used. Whenever there is no usage, the display goes into power-saving mode. Despite its impressive image size, the physical dimensions of this display are surprisingly modest; the outer frame is just 16 mm wide.

- 16:10 aspect ratio and IPS LCD in a compact, space-saving design
- Contrast 1000:1, brightness 300 cd/m², 178° viewing angle
- 6 ms grey-grey changeover time thanks to Overdrive function
- Auto EcoView, EcoView Index, EcoView Sense and EcoView Optimizer for maximum power savings and superb ergonomics
- Integrated speakers and headphone jack
- USB hub with one upstream and two downstream ports
- DisplayPort, DVI-D and D-Sub inputs for digital and analogue connections

5 YEARS WARRANTY

EIZO EV2436W
Features

Compact, space-saving design
The sophisticated LCD module has a very narrow border and is designed for an extremely compact housing. The border around the image is no more than 16 mm. Power supply and signal interfaces are unobtrusively integrated into the unit.

Outstanding image quality
A resolution of 1920 x 1200 pixels, a contrast ratio of 1000:1 and brightness of 300 cd/m² all ensure first-class image quality with clear graphics and structures as well as sharp text contours. No matter if you're sitting directly in front of the display or at an angle, the entire screen complete with all corners always has superb colour and greyscale contrast.

Economical and environmentally-friendly
The mercury-free backlight with efficient but bright, white LEDs is a particularly impressive feature of the EV2436W. It requires just 19 watts in regular use. This reduces energy costs as well as CO2 emissions.

Auto EcoView
The EcoView sensor measures the light in the environment and automatically adjusts the display brightness accordingly. The image brightness is stronger in the case of bright illumination and it is reduced in the dark. It is also possible to control the brightness manually. The user can freely determine minimum and maximum image brightness. The EcoView index indicates how environmentally-friendly each setting is. Auto EcoView is activated simply by pressing a button.

EcoView Sense
When it comes to power savings, the EV2436W excels thanks the EcoView Sense function. It switches the display on or off entirely automatically depending on whether the user is present or not in front of the screen. EcoView Sense detects the user's return even before the keyboard or mouse are touched. This means the display is always ready for operation, yet it does not waste any power while the user is away.

EcoView Optimizer
EcoView Optimizer analyses and responds to the white portion of the image content to control the display backlight. When the displayed content is dark, the light emission is reduced so that power consumption is lowered by up to 30%. The image brightness defined by the user is nevertheless maintained at all times, as EcoView Optimizer also controls the hue values.

Eco Timer EIZO uses two methods to save energy: After a predefined time, Eco Timer automatically switches the monitor into standby mode, reducing power consumption. The power switch, located directly on the monitor, switches the power supply off completely and therefore minimises unnecessary CO^2 emissions as well as costs.

Overdrive
The precalculated Overdrive function accelerates pixel conversion to a level where the changeover time between different hue values is a mere 6 ms on average. Moving images in fast video sequences, games and 3D CAD animations are displayed at a stunning speed and without any annoying delays.

High-precision colour control
Colour temperature control allows the white balance to be adjusted at intervals of 500 between 4,000 and 10,000 K. In addition, the colour saturation (gain) for RGB colours can be configured separately.

FineContrast
This function offers a wide range of display modes with various default settings for brightness, colour temperature and gamma. It offers ideal views for office applications, Internet and images (sRGB) at the push of a button. 'Paper' mode simulates the pleasing contrast and white balance of printed documents. In addition, two user modes are also available for separate settings.

Digital and analogue inputs
One DisplayPort and one DVI-D input enable the connection of a wide variety of digital signals. A D-Sub input is available for analogue signals. Up to three computers can be connected at the same time.

USB hub
An integrated USB hub is provided for the connection of peripheral devices. For example, a keyboard and mouse can be connected to the monitor right on the desk.

ScreenManager Pro for DDC
ScreenManager Pro is used for convenient monitor control using software via the Windows interface as an alternative to the on-screen display. The signal cable is all that is required for connection. It is even possible to link monitor settings to specific applications, for example, switching to sRGB display properties when opening the browser.

Audio-enabled
Loudspeakers and headphone jack are discreetly integrated into the housing.

FlexStand
This enables turning and tilting as well as operation in portrait and landscape format. The continuous height adjustment starts very low near the desk and has a range of 16 centimetres. This guarantees optimal ergonomics, regardless of whether the user is sitting or standing in front of the screen. The FlexStand base is always fully stable, despite its maximum range of movement.

Test marks

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EIZO EV2436W
Specifications

Diagonal	61 cm (24 inches) 16:10 aspect ratio
Models (housing colour)	EV2436WFS-GY (light grey) EV2436WFS-BK (black)
Visible image size	518 mm (width) x 324 mm (height)
Visible diagonal	611 mm
Ideal and recommended resolution	1920 pixels x 1200 lines
Dot pitch	0.27 mm x 0.27 mm
Displayed colours	16.7 million
Max. brightness	300 cd/m² (typical)
Max. dark room contrast	1000:1 (typical)
Max. viewing angle	Horizontal: 178°; vertical: 178°
LCD technology	IPS
Typical mid-tone reaction time	6 ms
Typical response time	16 ms, black-white change
Features	EcoView Sense, Auto EcoView, EcoView Index, EcoView Optimizer, Overdrive, HDCP decoder, FineContrast, On-Screen Display, PowerManager by VESA DPMS, Plug & Play via VESA DDC CI, USB hub, integrated loudspeakers and power supply
Configuration options	Minimum and maximum brightness, contrast, gamma, colour saturation for RGB, colour temperature, clock, phase, image position, resolution, Eco Timer, OSD language (DE, UK, FR, SE, ES, IT) Interpolation
Resolutions	1920 x 1200 full image 1:1, 1600 x 1200, 1680 x 1050, 1280 x 1024, 1024 x 768, 800 x 600, 720 x 400, 640 x 480, enlarged to full image or 1:1
Horizontal frequency	31–81 kHz (digital: 31–76 kHz)
Vertical frequency	55–76 Hz (digital: 59–61 Hz)
Video bandwidth	193 MHz (digital: 162 MHz)
Graphic signals	DisplayPort, DVI (TMDS), RGB analogue
Signal inputs	DisplayPort, DVI-D and D-Sub
Plug & Play	VESA DDC CI
Power management	VESA DPMS, DVI-DMPM
Power consumption	max.* 60 watts, typically 19 watts, less than 0.3 watts in standby mode, 0 watts when power switch is OFF
Dimensions (WxHxD)	55 cm x (38–53 cm) x 25 cm
Weight	6.7 kg
Test marks	CE, TÜV GS, TÜV certified ergonomics, ISO 9241-307 Class 1, TCO 6.0 Energy Star
Speakers	Left and right
Audio input	3.5 mm stereo jack
Audio output	3.5 mm stereo jack (for headphones)
Flexibility	172° right/left, 30° to the back, 90° rotatable, 16 cm height adjustment
USB hub	One upstream/two downstream, rev. 2.0
Accessories included	Manual in German, English and French, power and signal cables (DP-DP and DVI-D-DVI-D), ICC colour profile
Service	Five-year on-site replacement service

* at maximum brightness, USB hub as well as all signal inputs and speakers in operation

Errors excepted 08/12

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